

AMENDMENTS TO THE SPECIFICATION

Kindly replace paragraph [0024] with the following amended paragraph:

[0024] FIG. 1 is a box diagram illustrating a method of calculating an azimuth angle by compensating for an attitude error using a two-axis earth magnetic sensor according to the present invention. The method includes use of a two-axis earth magnetic sensor 101, an inclinometer 102, an attitude (e.g., coordinate) conversion matrix part 103, a virtual Z-axis earth magnetic data generation part 104, a earth magnetic data coordinate conversion part 105, and an azimuth angle calculation part 106.